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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/562,862

12/29/2005

Hirohide Nakata

NAKA3049

3975

23364 7590 03/03/2009

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EXAMINER

LEWIS, DAVID LEE

ART UNIT

PAPER NUMBER

2629

MAIL DATE

DELIVERY MODE

03/03/2009

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/562,862	<b>Applicant(s)</b> NAKATA ET AL.	
	<b>Examiner</b> DAVID L. LEWIS	<b>Art Unit</b> 2629	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 06 April 2007.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 6-9 is/are allowed.
- 6) ☒ Claim(s) 1,3,5,10,12,14 and 19 is/are rejected.
- 7) ☒ Claim(s) 2,4,11,13,15-18 and 20 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 29 December 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)            | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | Paper No(s)/Mail Date. _____                                      |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>3/29/2006</u> .   | 6) <input type="checkbox"/> Other: _____                          |

**DETAILED ACTION**

***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

- 1. Claims 1, 10, and 14 are rejected under 35 U.S.C. 102(b) as being anticipated by Hiramatsu (6339748).**

**As in claim 1, Hiramatsu teaches of** a transmission screen having a writable and erasable surface for one side, **figure 1 item 2, figure 1 item 1, column 4 lines 35-60, column 5 lines 35-67, column 6 lines 1-6.**

**As in claim 10, Hiramatsu teaches of** a transmission screen, **figure 1 item 2**, comprising a substrate having a light diffusing property wherein a light from a projector is projected to one surface of the substrate to form an image, **figure 1 item 2**, and the projected image can be observed from another surface of the substrate, **figure 1 item 7**, which is provided on the other surface with a writable layer on which writing with a marker for white boards and erasing are possible, **figure 1 item 1, column 4 lines 35-60, column 5 lines 35-67, column 6 lines 1-6.**

**As in claim 14, Hiramatsu teaches of** rear projection monitor comprising a projector for projecting a displayed image displayed on an image display unit, figure 1 item 7 and 2, a reflection mirror for reflecting a light projected from the projector, figure 1 item 7(said reflection mirror being an inherent projection system feature in combination with additional mirrors of figure 1 items 31/33),

and a transmission screen having a light incident surface and a light emitting surface and receiving a reflected light from the reflection mirror with the light incident surface to form an image, wherein said transmission screen is a transmission screen, figure 1 item 2.

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

- 2. Claims 3, 5, 12, and 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hiramatsu (6339748) in view of Goto et al. (2003/0137729) and Bourdeiasis et al. (2004/0202822).**

As applied to claims 3, 5, 12, and 19, Hiramatsu teaches the of the transmission screen as applied to claims 1 and 10 above, but fails to teach of said layered features. As in claims 3 and 12, Goto et al. teaches of wherein the writable and erasable surface is formed with a resin layer containing an ionizing radiation curable resin and a matting agent, paragraph 14, 38, 39, 42, as does Bourdeiasis, figure 1, paragraphs 66-68, 161, 165. As in claims 5 and 19, Bourdeiasis teaches of wherein which has a light diffusing layer comprising a binder component and light diffusing particles on the side opposite to the writable and erasable surface side, Bourdeiasis, figure 1, paragraphs 66-68, 161, 165, as does Goto et al., paragraph 14, 38, 39, 42. Wherein it would have been obvious to the skilled artisan at the time of the invention to implement the transmission screen of Hiramatsu having the known features of Goto and Bourdeiasis because

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they represent known transmission screen features, as found in claims 3, 5, 12, and 19.

### ***Claim Objections***

3. Claims 2, 4, 11, 13, 15-18, and 20 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

### ***Allowable Subject Matter***

4. Claims 6-9 are allowed. The prior art of record fails to teach or suggest said features.

### **Conclusion**

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **David L. Lewis** whose telephone number is **(571) 272-7673**. The examiner can normally be reached on MT and THF from 8 to 5. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bipin Shalwala, can be reached on **(571) 272-7681**. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (571)-273-8300.
6. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR

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only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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Examiner: David L. Lewis

***March 1, 2009***

***/David L Lewis/***

***Examiner, Art Unit 2629***